

PF-0556-1 DIV

<110> Tang, Y. Tom
Corley, Neil C.
Guegler, Karl J.
Arvizu, Chandra
Baughn, Mariah R.

<120> THIOREDOXIN PROTEINS

<130> PF-0556-1 DIV

<140> To Be Assigned

<141> Herewith

<150> 09/107,248

<151> 1998-06-30

<160> 15

<170> PERL Program

<210> 1

<211> 172

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1925679

<400> 1

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Ser	Phe	Leu	Leu	Leu	Val	Ile	Ser	Ser	Asp	Gly	His	Asn	Gly	Leu
			20						25					30
Gly	Lys	Gly	Phe	Gly	Asp	His	Ile	His	Trp	Arg	Thr	Leu	Glu	Asp
			35						40					45
Gly	Lys	Lys	Glu	Ala	Ala	Ala	Ser	Gly	Leu	Pro	Leu	Met	Val	Ile
			50						55					60
Ile	His	Lys	Ser	Trp	Cys	Gly	Ala	Cys	Lys	Ala	Leu	Lys	Pro	Lys
			65						70					75
Phe	Ala	Glu	Ser	Thr	Glu	Ile	Ser	Glu	Leu	Ser	His	Asn	Phe	Val
			80						85					90
Met	Val	Asn	Leu	Glu	Asp	Glu	Glu	Glu	Pro	Lys	Asp	Glu	Asp	Phe
			95						100					105
Ser	Pro	Asp	Gly	Gly	Tyr	Ile	Pro	Arg	Ile	Leu	Phe	Leu	Asp	Pro
			110						115					120
Ser	Gly	Lys	Val	His	Pro	Glu	Ile	Ile	Asn	Glu	Asn	Gly	Asn	Pro
			125						130					135
Ser	Tyr	Lys	Tyr	Phe	Tyr	Val	Ser	Ala	Glu	Gln	Val	Val	Gln	Gly
			140						145					150
Met	Lys	Glu	Ala	Gln	Glu	Arg	Leu	Thr	Gly	Asp	Ala	Phe	Arg	Lys
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Lys	His	Leu	Glu	Asp	Glu	Leu								
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<210> 2

<211> 258

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3244141

<400> 2

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Arg	Leu	Ser	Arg	Trp	Leu	Ala	Gln	Pro	Tyr	Tyr	Leu	Leu	Ser	Ala
				20					25					30
Leu	Leu	Ser	Ala	Ala	Phe	Leu	Leu	Val	Arg	Lys	Leu	Pro	Pro	Leu
				35					40					45
Cys	His	Gly	Leu	Pro	Thr	Gln	Arg	Glu	Asp	Gly	Asn	Pro	Cys	Asp
				50					55					60
Phe	Asp	Trp	Arg	Glu	Val	Glu	Ile	Leu	Met	Phe	Leu	Ser	Ala	Ile
				65					70					75
Val	Met	Met	Lys	Asn	Arg	Arg	Ser	Met	Phe	Leu	Met	Thr	Cys	Lys
				80					85					90
Pro	Pro	Leu	Tyr	Met	Gly	Pro	Glu	Tyr	Ile	Lys	Tyr	Phe	Asn	Asp
				95					100					105
Lys	Thr	Ile	Asp	Glu	Glu	Leu	Glu	Arg	Asp	Lys	Arg	Val	Thr	Trp
				110					115					120
Ile	Val	Glu	Phe	Phe	Ala	Asn	Trp	Ser	Asn	Asp	Cys	Gln	Ser	Phe
				125					130					135
Ala	Pro	Ile	Tyr	Ala	Asp	Leu	Ser	Leu	Lys	Tyr	Asn	Cys	Thr	Gly
				140					145					150
Leu	Asn	Phe	Gly	Lys	Val	Asp	Val	Gly	Arg	Tyr	Thr	Asp	Val	Ser
				155					160					165
Thr	Arg	Tyr	Lys	Val	Ser	Thr	Ser	Pro	Leu	Thr	Lys	Gln	Leu	Pro
				170					175					180
Thr	Leu	Ile	Leu	Phe	Gln	Gly	Gly	Lys	Glu	Ala	Met	Arg	Arg	Pro
				185					190					195
Gln	Ile	Asp	Lys	Lys	Gly	Arg	Ala	Val	Ser	Trp	Thr	Phe	Ser	Glu
				200					205					210
Glu	Asn	Val	Ile	Arg	Glu	Phe	Asn	Leu	Asn	Glu	Leu	Tyr	Gln	Arg
				215					220					225
Ala	Lys	Lys	Leu	Ser	Lys	Ala	Gly	Asp	Asn	Ile	Pro	Glu	Glu	Gln
				230					235					240
Pro	Val	Ala	Ser	Thr	Pro	Thr	Thr	Val	Ser	Asp	Gly	Glu	Asn	Lys
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Lys Asp Lys

<210> 3

<211> 1440

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 1925679

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cggcctcgtc tcggggccac ctgtttgctg ggcttcagtt tccgtctcct cgatcatctc 180
tctgatggac ataatgggct tggaagggt tttggagatc atattcattg gaggacactg 240
gaagatggga agaaagaagc agctgccagt ggactgcccc tgatgggtgat tattcataaa 300
tcctgggtgtg gagcttgcaa agctctaaag cccaaatttg cagaatctac ggaaatttca 360

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gaactctccc ataattttgt tatggtaaat cttgaggatg aagaggaacc caaagatgaa 420
 gatttcagcc ctgacggggg ttatatccca cgaatccttt ttctggatcc cagtggcaag 480
 gtgcacccctg aaatcatcaa tgagaatgga aaccccagct acaagtattt ttatgtcagt 540
 gccgagcaag ttgttcaggg gatgaaggaa gctcaggaaa ggctgacggg tgatgccttc 600
 agaaagaaac atcttgaaga tgaattgtaa catgaatgtg ccccttcttt catcagagtt 660
 agtgttctgg aaggaaagca gcagggaagg gaattattgag gaatcatcta gaacaattaa 720
 gccgaccagg aaacctcatt cctacctaca ctggaaggag cgctctcact gtggaagagt 780
 tctgctaaca gaagctggtc tgcattgtttg tggatccagc ggagagtggc agactttctt 840
 ctctttttcc ctctcaccta aatgtcaact tgtcattgaa tgtaaagaat gaaaccttct 900
 gacacaaaac ttgagccact tggatgttta ctctcgcac ttaagtattt gagtcttttc 960
 ccatttcttc ccactttact cactttagtgt gtgaaaggag actagtagca tctttttctac 1020
 aacgttaaaa ttgcagaagt agcttatcat taaaaaaca caacaacaac aataacaata 1080
 aatcctaagt gtaaatcagt tattctaccc cctaccaagg atatcagcct gttttttccc 1140
 ttttttctcc tgggaataat tgtgggcttc tcccaaat tctacagcct ctttctctt 1200
 ctcatgcttg agcttccctg tttgcacgca tgcgtgtgca ggactggctg tgtgcttgga 1260
 ctcggtccca ggtggaagca tgctttccct tgttactgtt ggagaaactc aaaccttcaa 1320
 gccctaggtg tagccatttt gtcaagtcac caactgtatt tttgtactgg cattaacaaa 1380
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<210> 4

<211> 1555

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 3244141

<400> 4

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 cgcccaacct tactaccttc tgtcggccct gctctctgct gccttcctac tcgtgaggaa 180
 actgcgcgcg ctctgccacg gtctgcccac ccaacgcgaa gacggtaacc cgtgtgactt 240
 tgactggaga gaagtggaga tcctgatgtt tctcagtgcc attgtgatga tgaagaaccg 300
 cagatccatg ttctgatga cgtgcaaacc cccctatat atgggccctg agtatatcaa 360
 gtacttcaat gataaaacca ttgatgagga actagaacgg gacaagaggg tcaactggat 420
 tgtggagttc tttgccaatt ggtctaata ctgccaatca tttgccccta tctatgctga 480
 cctctccctt aaatacaact gtacagggct aaattttggg aagggtggatg ttggacgcta 540
 tactgatgtt agtacgcggt acaaagtgag cacatcccc ctcaccaagc aactccctac 600
 cctgatcctg ttccaagggt gcaaggaggc aatgcggcgg ccacagattg acaagaaagg 660
 acgggctgtc tcatggacct tctctgagga gaattgtgac cgagaattta acttaaatga 720
 gctataccag cgggccaaga aactatcaaa ggctggagac aatatccctg aggagcagcc 780
 tgtggcttca acccccacca cagtgtcaga tggggaaaac aagaaggata aataagatcc 840
 tcaactttggc agtgccttct ctctgtcaa ttccaggctc tttccataac cacaagcctg 900
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 cttctgattt taaagaggca tctagggaa tgtcaggcac cctacaggaa ggcctgccat 1020
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 aagcctaact ttgtcgttag tctaaggag aaacctttta ccacaaagtt tttatcattg 1380
 aagacaatat tgaacaaccc cctattttgt ggggattgag aagggggtgaa tagaggcttg 1440
 agactttcct ttgtgtggta ggacttggag gagaaatccc ctggactttc actaaccctc 1500
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<210> 5

<211> 212

<212> DNA
<213> Homo sapiens

<220>
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<223> Incyte ID No: 1925679H1

<400> 5
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tgggtgtggag cttgcaaagc tctaaagccc aaatttgcag aatctacgga aatttcagaa 120
ctctcccata attttgttat ggtaaattctt gaggatgaag aggaacccaa agatgaagat 180
ttcagccctg acgggggtta tattccacga at 212

<210> 6
<211> 248
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2456812H1

<400> 6
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gggactccgg cctgcgtcc gctcagcccc gtggccccgc gcacctactg ccatggagac 120
gcggcctcgt ctcggggcca cctgtttgct gggcttcagt ttctgtctcc tcgtcatctc 180
ttctgatgga cataatgggc ttggaaaggg ttttgagat catattcatt ggaggacact 240
ggaagatg 248

<210> 7
<211> 541
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1925679R6

<220>
<221> unsure
<222> 502, 514
<223> a, t, c, g, or other

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ctctcccata attttgttat ggtaaattctt gaggatgaag aggaacccaa agatgaagat 180
ttcagccctg acgggggtta tattccacga atccttttct tggatcccag tggcaagggtg 240
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gagcaagttg ttcatgggat gaaggaagct caggaaaggc tgacgggtga tgccttcaga 360
aagaaacatc ttgaagatga attgtaacat gaatgtgcc cttctttcat cagagttagt 420
gttctggaag gaaagcagca ggggaaggga tattgaggaa tcatctagaa caattaagcc 480
gaccaggaaa cctcattcct anctacactg gaangagcgc tctcactgtg gaagagttct 540
g 541

<210> 8
<211> 578
<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 1522838F1

<220>

<221> unsure

<222> 530, 556, 573

<223> a, t, c, g, or other

<400> 8

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ccaaagatga agatttcagc cctgacgggg gttatatcc acgaatcctt tttctggatc 120
ccagtggcaa ggtgcatcct gaaatcatca atgagaatgg aaaccccagc tacaagtatt 180
tttatgtcag tgccgagcaa gttgttcagg ggatgaagga agctcaggaa aggctgacgg 240
gtgatgcctt cagaaagaaa catcttgaag atgaattgta acatgaatgt gcccttctt 300
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agaacaatta agccgaccca ggaacacctc attcctacct acactggaag gagcgctctc 420
actgtggaag agttctgcta acagaagctg gtctgcatgt ttgtggatcc agcggagagt 480
ggcagacttt cttctccttt tcctctcact aaatgtcaac ttgtcattgn atgtaaagat 540
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<210> 9

<211> 635

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 1332915T1

<220>

<221> unsure

<222> 342-370, 570, 572

<223> a, t, c, g, or other

<400> 9

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ccaacagtaa caagggaaag catgcttcca cctggagccg agtccaagca cacagccagt 180
cctgcacacg catgctgca aacagggaag ctcaagcatg agaagaggaa agaggctgta 240
gaaatttggg aagaagccca caattattcc caggagaaaa aagggaaaaa acaggctgat 300
atccttggtg gggggtagaa taactgattt acacttagga tnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn taatgataag ctacttctgc aattttaacg ttgtagaaaa gatgctacta 420
gtctcctttc accactaagg ttagtaaagt gggaggaaat gggaaaagac tcaaatactt 480
aagtgcgagg agtaaacatc caagtggctc aagttttgtg tcagaagggt tcattcttta 540
cattcaatga caagttgaca tttaggtgan anggaaaagg agaagaaagt ctgccactct 600
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<211> 127

<212> DNA

<213> Homo sapiens

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 taaaagg 127

<210> 11
 <211> 224
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
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<400> 11
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 actgccgccc ctctgccacg gtctgcccac ccaacgcgaa gacgagagaa gtggagatcc 180
 tgatgtttct cagtgccatt gtgatgatga agaaccgcag atcc 224

<210> 12
 <211> 435
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 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1480867F6

<220>
 <221> unsure
 <222> 265, 370, 413
 <223> a, t, c, g, or other

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 cggctcttggc acctctaatt gctctcgtgt attcgggtgcc gcgactttca cgatggctcg 120
 cccaacctta ctaccttctg tcggccctgc tctctgctgc ctccctactc gtgaggaaac 180
 tgccgcgcgt ctgccacggt ctgcccaccc aacgcgaaga cggtaaccgg tgtgactttg 240
 actggagaga agtggagatc ctgangtttc tcagtgccat tgtgatgatg aagaaccgca 300
 gatccatggt cctgatgacg tgcaaaccct ccctatatat gggccctgag tatatcaagt 360
 acttcaatgn taaaaccatt gatgaggaac tagaacggga caagagggtc acntggattg 420
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<210> 13
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 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 1709993X25C1

<220>
 <221> unsure
 <222> 436, 493, 507, 558, 627-628, 630
 <223> a, t, c, g, or other

<400> 13

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agtacgCGgt acaaagtGag cacatcaccC tcaccaagca actccctacc ctgatcctgt 180
tccaaggtGg caaggaggca atgcggcgGg cacagattga caagaaagga cgggctgtct 240
catggacctt ctctgaggag aatgtgatcc gagaatttaa cttaaagag ctataccagc 300
gggccaagaa actatcaaag gctggagaca atatccctga ggagcagcct gtggcttcaa 360
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<210> 14

<211> 660

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 2061104R6

<220>

<221> unsure

<222> 98, 217, 348, 378, 458, 480, 488, 491, 516, 521, 531, 545, 548, 553-554, 559, 583, 589, 595, 620, 632-634, 637, 642, 651

<223> a, t, c, g, or other

<400> 14

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gaccttctct gaggagaatg tgatccgaga atttaactta aatgagctat accagcgggc 180
caagaaacta tcaaaggctg gagacaatat ccctgangag cagcctgtgg cttcaacccc 240
caccacagtG tcagatgggg aaaacaagaa ggataaataa gatcctcact ttgggcagtg 300
cttcctctcc tgtcaattcc tggtctttt cataaccaca agcctgangt gcagctttta 360
tttaatggtt tcccttntg gctgtgactt gggTgggggC agcatgcagc tttctgattt 420
taaaagaggG cattctaggG gaatttgTtc aaggcaancc ctaacaggga aagggcctgn 480
ccaattgnct nttggcccaa actggTtttc caactnggga ngccaaagaa naagggggtt 540
cttcnatnag ggnnccggna agggggggga aaattgggtt ttnccctnc caaangcttt 600
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<210> 15

<211> 596

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1437141T6

<220>

<221> unsure

<222> 14, 17, 19, 79, 477, 486, 508, 529, 544, 547, 551, 559, 572, 585, 588, 591, 595

<223> a, t, c, g, or other

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tgtottcaat gataaaaact ttgtgggttaa aggtttctcc ttaggactag cgacaaagtt 240
aggcttatac ttttaatgaa gaccataaac gaagccagaa gggcttaagg aagcaagagt 300
ccttggggga aaattcttag cgttctatac cccagcatct taccttaggg ttaaactctag 360
gtctaacca gctgtgcagg tcaactaaga aggaatgatg aaaccacaga gtttcatgga 420
gagaccatgg agatgtctga atagctgata agcagttaac acactgaccc aagcttngag 480
ggaaancatt tccccctccg tcctaata nag atctctttct ttgctccant gaaaaaagtt 540
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